



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,899	02/04/2004	Noal Montena	205P035	3890
20874	7590	08/23/2005	EXAMINER	
WALL MARJAMA & BILINSKI 101 SOUTH SALINA STREET SUITE 400 SYRACUSE, NY 13202			DINH, PHUONG K	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 08/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/771,899

Applicant(s)

MONTENA, NOAL

Examiner

Phuong KT Dinh

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 July 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 6-10, 13 and 14 is/are rejected.
- 7) ☐ Claim(s) 4-5, 11-12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Szegda (U. S. Patent 4,990,106) in view of Heiningsen (U. S. Patent 6,802,738).

3. Regarding claims 1 and 8, Szegda discloses a cable connector comprising: a front body adapted to connect to an equipment post a back body 40 adapted to receive a prepared end of a hardline coaxial cable 16 a coupler nut 34 retained on the back body; a mandrel 30 retained in the back body; means 32, 44 for connecting the cable to the back body and a ridge (on the coupler nut) on an inside of the nut, wherein the coupler nut coupler nut is retained on the back body between the shoulder (near 42) of the body and a shoulder of the mandrel. Szegda discloses the claimed invention except for a front body and a conductive pin retained in the front body by an insulator, the conductive pin including a front end for connecting to the equipment port and a back end, wherein the back end includes a collet for connecting to and retaining a center conductor of the cable, wherein the front body can be detached from the coupler nut without adversely affecting the means for connecting said cable to the back body. Henningsen discloses a front body at 1 and a conductive pin retained in the front body by an insulator, the conductive pin including a front end for connecting to the equipment

Art Unit: 2839

port and a back end, wherein the back end includes a collet 3 for connecting to and retaining a center conductor of the cable. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Szegda to provide the front body and a body and a conductive pin retained in the front body by an insulator, the conductive pin including a front end for connecting to the equipment port and a back end, wherein the back end includes a collet for connecting to and retaining a center conductor of the cable as taught by Henningsen to provide a complete coupler.

4. Regarding claim 2, Szegda, discloses the means for connecting is a permanent compression fitting retained in the back body.

5. Claims 7 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Szegda (U. S. Patent 2005/0032422) in view of Heiningsen (U. S. Patent 6,802,738) and further in view of Horak (U. S. Patent 3,879,102).

6. Regarding claims 7 and 14, Szegda and Henningsen disclose the claimed invention except for the collet includes a ring, which enhances an interference fit between the collet and the center conductor of the cable. Horak discloses a collet include a ring. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Szegda and Henningsen to provide the collet include a ring as taught by Horak so as to provide the pressure on the collet.

7. Claims 3, 6, 10 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Szegda (U. S. Patent 2005/0032422) in view of Heiningsen (U. S. Patent 6,802,738) and further in view of Fandrey (U. S. Patent 6,511,337).

Art Unit: 2839

8. Regarding claim 3, 6, 10 and 13, Szegda and Henningsen disclose the claimed invention except for the thrust bearing disposed between the ridge and the shoulder of the mandrel. Fandrey discloses the thrust bearing 142 disposed between the ridge and the shoulder of the mandrel. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Szegda and Henningsen to provide the thrust bearing disposed between the ridge and the shoulder of the mandrel as taught by Fandrey so as to reduce the friction.

Allowable Subject Matter

9. Claims 4, 5 and 11-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

10. None of the reference discloses a guide disposed within the front body, wherein a portion of the guide fit over the ring. The collet includes a ring which reference as interference fit between the collet and the center conductor of the cable.

Response to Arguments

Applicant's argues that neither of these references for hardline connectors suggested the feature of the claimed invention that utilizes the integral coupler nut to permit the detachment of the front body from the back body without adversely affecting the connection with the cable as the advancement of the threaded back bodies cause the compression of the slotted ferrules against the solid outer conductor. The Examiner

Art Unit: 2839

respectfully disagrees. Szegda as a main reference and using coupler nut 34 to attach a front body and therefore the front body can be detached without adversely the Szegda crimp connector to the cable 14.

Conclusion

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong KT Dinh whose telephone number is 571-272-2090. The examiner can normally be reached on 8 -5, 5 days a week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2839

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Phuong Dinh', with a stylized, flowing script.

Phuong Dinh
August 19, 2005.

Phuong KT Dinh
Primary Examiner
Art Unit 2839